

ex) Alas 1 pas E.I

donnée  $x_0, y_0, h$

recherche  $x_1, y_1$

debut

$$\text{recherche } (x_1 = x_0 - h(y_1 + f(y_1, x_1)),$$
$$y_1 = (y_0 + h \cdot x_0) / x_0, y_1)$$

Fin

$$y_1 = \frac{y_0}{h} = x_0 = h(y_1 + f(y_1, x_1))$$

incrémente  $y_1$

ex) 4

18

ex) 5

18 equation autonome

$$\frac{d}{dt} \begin{pmatrix} x_1 \\ x_2 \end{pmatrix} = \begin{pmatrix} x_1 \\ x_2 \end{pmatrix} \quad \text{ou} \quad \frac{d}{dt} \begin{pmatrix} x_1 \\ x_2 \end{pmatrix} = \begin{pmatrix} x_1 \\ x_2 \end{pmatrix} - x_0 = 1$$

recherche  $S = 6 \rightarrow \text{exam}$